

Materials Advances

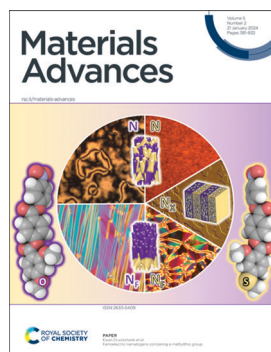
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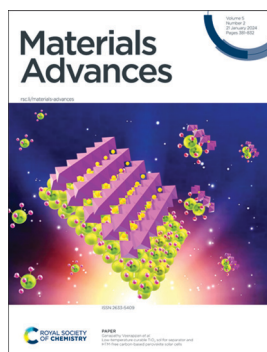
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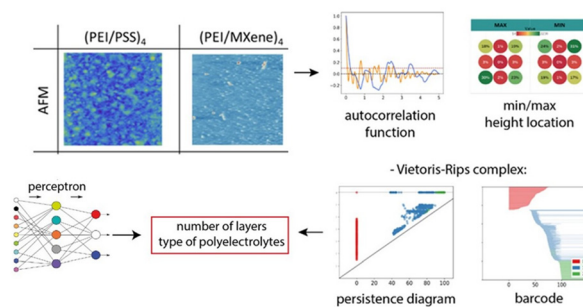
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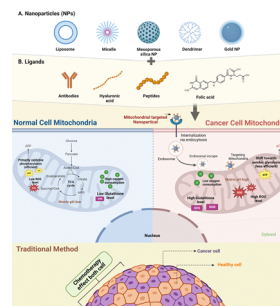
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Shivani R. Pandya,* Harjeet Singh,* Martin F. Desimone, Jagpreet Singh, Noble George and Srushti Jasani



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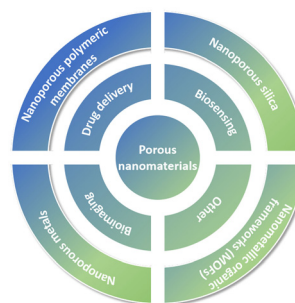
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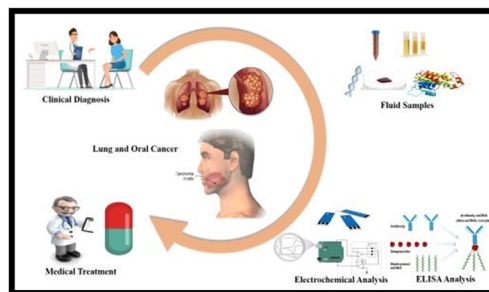
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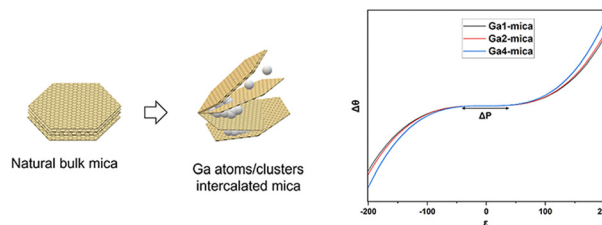


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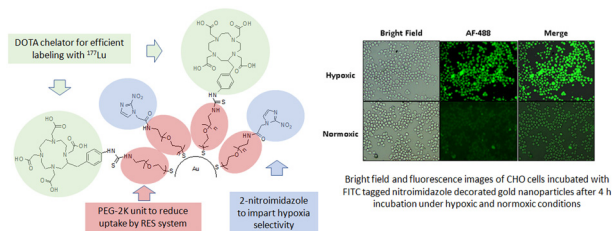
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P. Vishakha T. Weerasinghe, Shunnian Wu, W.P. Cathie Lee, Qiang Zhu, Ming Lin and Ping Wu*



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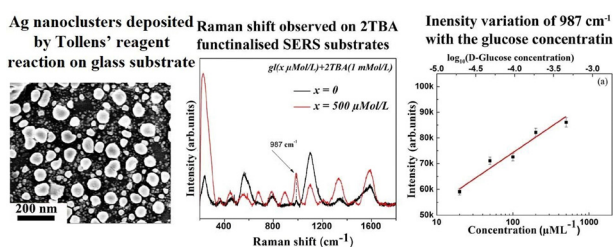
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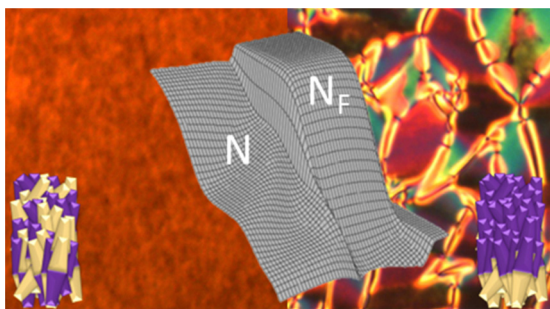


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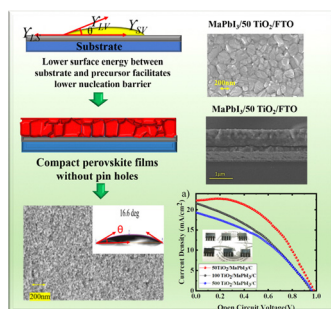
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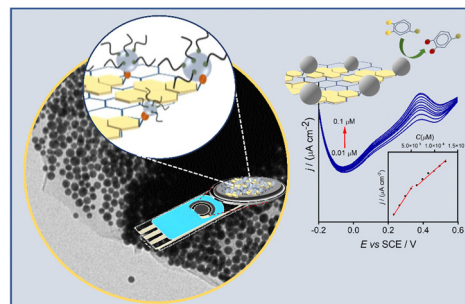


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Au nanoparticle decorated reduced graphene oxide and its electroanalytical characterization for label free dopamine detection

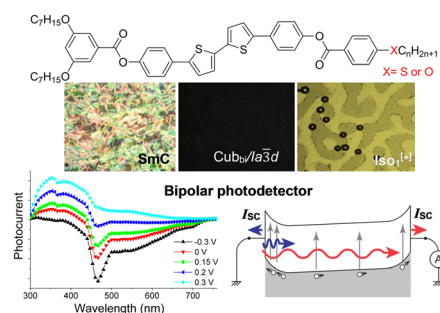
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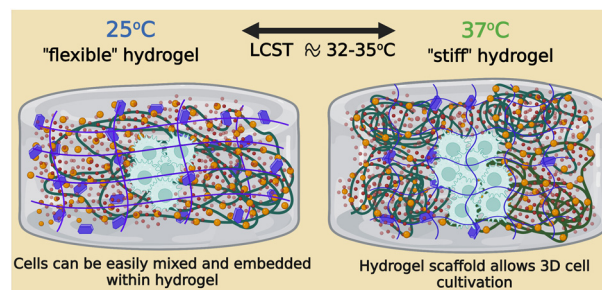
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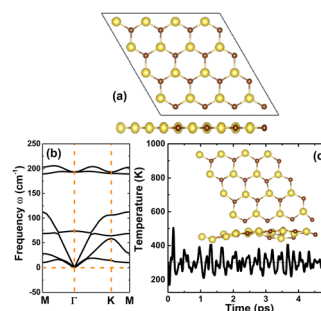
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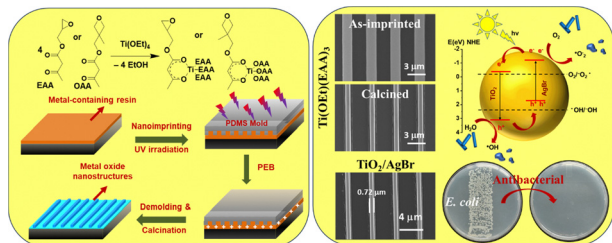
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Effects of transition metals and earth alkaline metals in the ionic honeycomb monolayer sodium bromide towards spintronic applications

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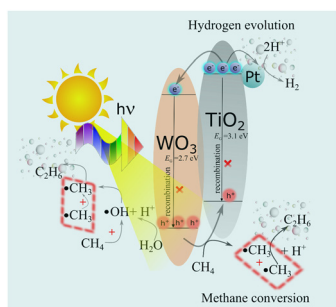
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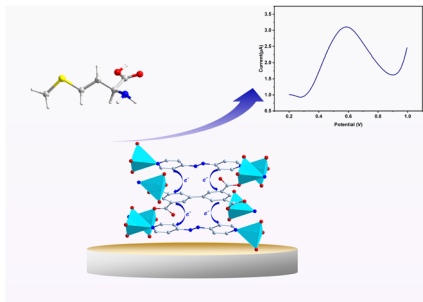
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Methane conversion and hydrogen production over $\text{TiO}_2/\text{WO}_3/\text{Pt}$ heterojunction photocatalysts

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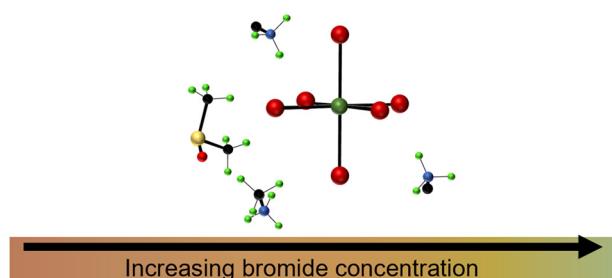
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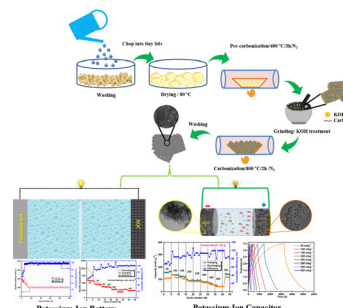


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Ginger-derived hierarchical porous carbon as an anode material for potassium-ion batteries and capacitors

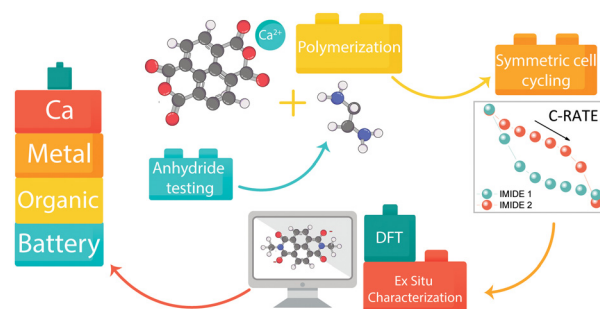
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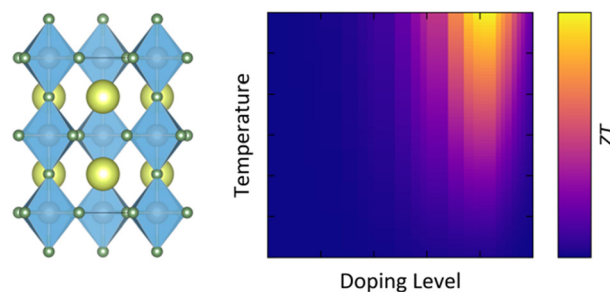
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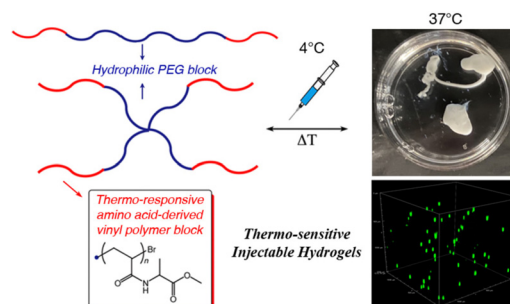
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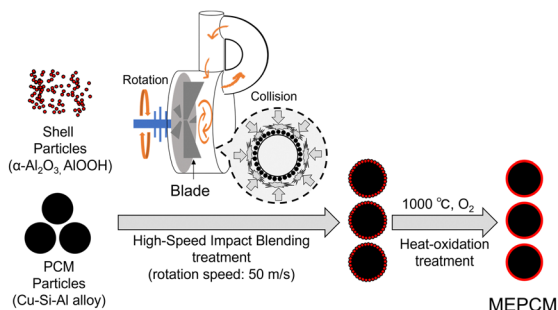
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Thermo-responsive injectable hydrogels from linear and star-shaped block copolymers composed of amino acid-derived vinyl polymer and poly(ethylene glycol) for biomedical applications

Mitsuki Nakamura, Shin-nosuke Nishimura,* Nobuyuki Higashi and Tomoyuki Koga*



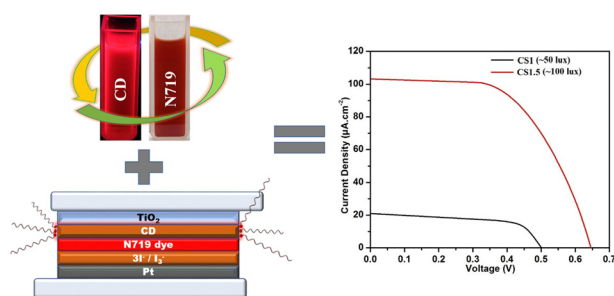
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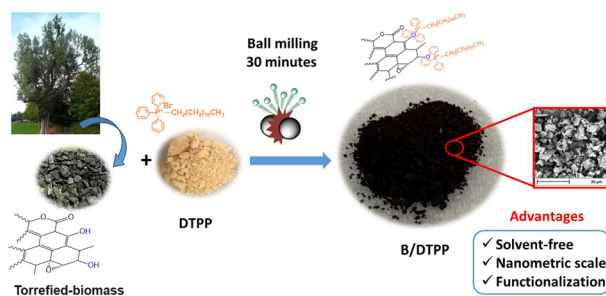
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Harnessing infrared radiation using carbon dots: photovoltaic devices achieving extraordinary efficiency under faint lighting

Karan Surana, Bhaskar Bhattacharya and Saurabh S. Soni*

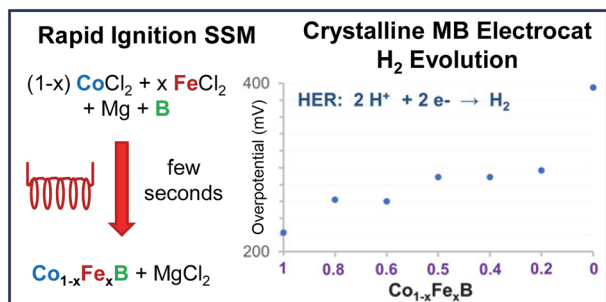
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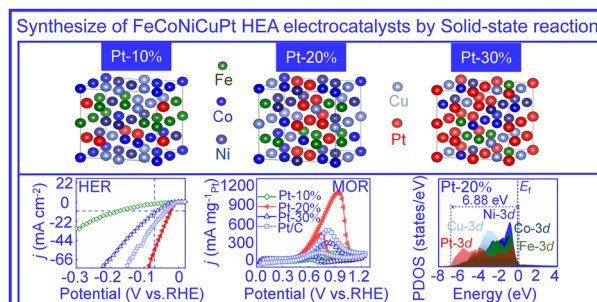
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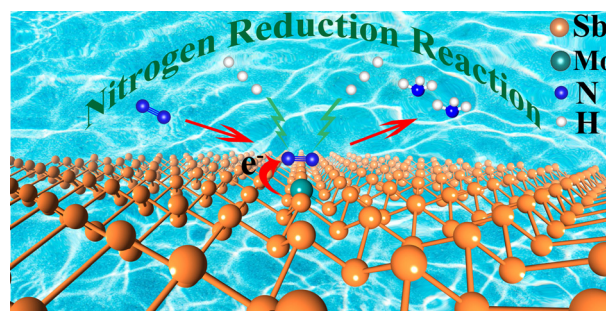
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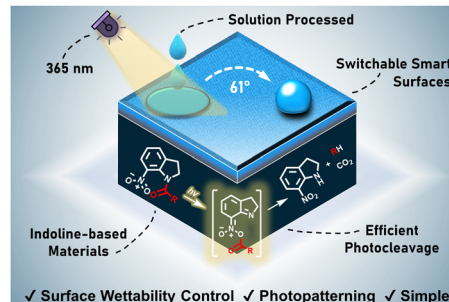
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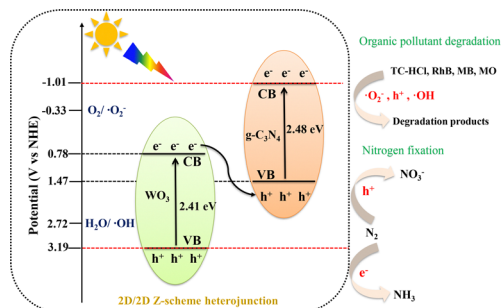
Alex S. Loch, Douglas Cameron, Robert W. Martin,
Peter J. Skabara and Dave J. Adams*



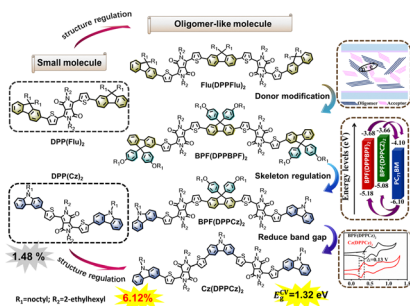
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2D/2D Z-scheme WO₃/g-C₃N₄ heterojunctions for photocatalytic organic pollutant degradation and nitrogen fixation

Yasi Li and Junkai Wang*



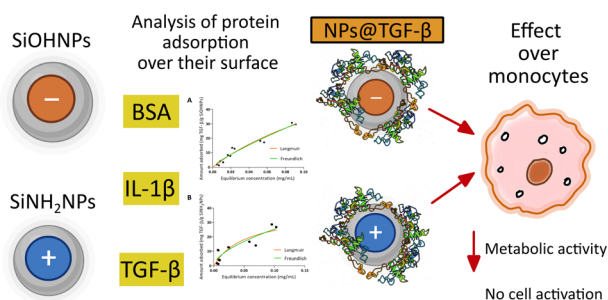
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Chang Liu, Lunxiang Yin,* Yanli Guo, Bao Xie, Xu Wang and Yanqin Li*

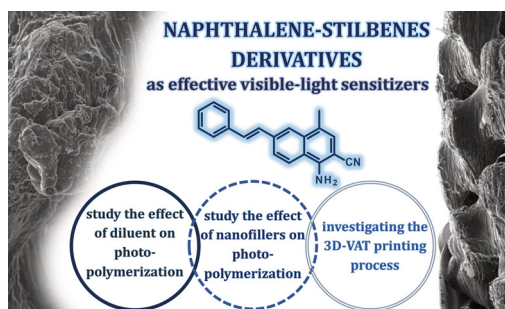
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Adsorption of immunomodulatory proteins over silica nanoparticles and the *in vitro* effect

Exequiel David Giorgi, Sofía Genovés, María Eugenia Díaz, Sofía Municoy, Martín Federico Desimone* and Mauricio César De Marzi*

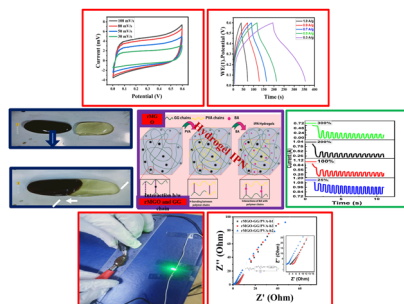
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Multifunctional and self-healable conductive IPN hydrogels functionalized with reduced magnetite graphene oxide for an advanced flexible all in one solid-state supercapacitor

Tanzil ur Rehman, Luqman Ali Shah* and Mansoor Khan



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Topological data analysis enhanced prediction of hydrogen storage in metal–organic frameworks (MOFs)

Shivanshu Shekhar and Chandra Chowdhury*

